(Not for submission under 37 CFR 1.99)

Sheet

_		IBC WILL COLLEGE CHARLES
	Application Number	10/629,228
	Filing Date	07/28/2003
	First Named Inventor	Lewis B. Aronson et al.
	Art Unit	2613
	Examiner Name	Jason Chan
	Attorney Docket Number	15436.247.2.1.5

	U.S. PATENT APPLICATIONS						
					Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	1	10697395	10/30/2003	Hofmeister et al			

	U.S. PATENTS					
Examiner Initials*	Cite No.	Patent Number	Issue Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
/SK/	1	4359553	11/16/1982	Edwards	·	
/SK/	2	4378451	3/29/1983	Edwards		
/SK/	3	4687924	8/18/1987	Galvin et al		
/SK/	4	4734914	3/29/1988	Yoshikawa		
/SK/	5	4747091	5/24/1988	Doi .		
/SK/	6	4809286	2/28/1989	Kollanyi et al		
/SK/	7	4916707	4/10/1990	Rosenkranz		
/SK/	8	5019769	5/28/1991	Levinson		
/SK/	9	5039194	8/13/1991	Block et al		
/SK/	10	5041491	8/20/1991	Turke et al		
/SK/	11	5268949	12/7/1993	Watanabe et al		
/SK/	12	5287375	02/1994	Fujimoto		
/SK/	13	5334826	8/2/1994	Sato et al	·	
/SK/	14	5383208	1/17/1995	Queniat et al		
/SK/	15	5392273	2/21/1995	Masaki et al.		
/SK/	16	5396059	3/7/1995	Yeates		
/SK/	17	5448629	9/5/1995	Bosch et al.		
/SK/	18	5516563	. 5/14/1996	Schumann et al.		
/SK/	19	5557437	9/17/1996	Sakai et al.		
/SK/	20	5574435	11/12/1996	Mochizuki		
/SK/	21	5576877	11/19/1996	Aulet et al.		
/SK/	22	5594748	1/14/1997	Jabr		
/SK/	23	5604758	02/1997	AuYeung et al.		
/SK/	24	5673282	9/30/1997	Wurst		

IDS with Certification Statement

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

2 of 8

Sheet

Application Number	10/629,228
Filing Date	07/28/2003
First Named Inventor	Lewis B. Aronson et al.
Art Unit	2613
Examiner Name	Jason Chan
Attorney Docket Number	15436.247.2.1.5

/SK/.	25	5748672	05/1998	Smith et al.	
/SK/	26	5761216	6/2/1998	Sotome et al.	
/SK/	27	5801866	9/1/1998	Chan et al.	
/SK/	28	5812572	9/22/1998	King et al.	
7SK/	29	5926303	7/20/1999	Giebel et al.	
/SK/	30	5953690	9/14/1999	Lemon et al.	
/SK/	31	5956168	9/21/1999	Levinson et al.	
/SK/	32	5966395	10/1999	Ikeda	
/SK/	33	5999294	12/1999	Petsko	
/SK/	34	6049413	04/2000	Taylor	
/SK/	35	6055252	04/2000	Zhang	
/SK/	36	6064501	5/16/2000	Roberts et al.	
/SK/	37	6157022	12/5/2000	Meada et al.	
/SK/	38	6160647	12/12/2000	Gilliland et al.	
/SK/	39.	6175434	01/2001	Feng	
/SK/	40	6188059	2/13/2001	Nishlyama et al.	,
/SK/	41	6198558	03/2001	Graves et al.	
/SK/	42	6205505	3/20/2001	Jau et al.	,
/SK/	43	6215565	4/10/2001	Davis et al	
/SK/	44	6222660	4/24/2001	Traa	
/SK/	45	6229788	05/2001	Graves et al.	:
/SK/	46	6252692	6/26/2001	Roberts	
/SK/	47	6272154	8/7/2001	Bala et al	
/SK/	48	6292497	09/2001	Nakano	
/SK/	49	6313459	11/2001	Hoffe et al.	•
/SK/	50	6317232	11/13/2001	Fee et al	
·/SK/	51	6384948	5/7/2002	Williams et al.	
/SK/	52	6423963	7/23/2002	Wu	
/SK/	53	6473224	10/29/2002	Dugan et al.	
/SK/	54	6512617	1/28/2003	Tanji et al.	
/SK/	55	6519255	02/2003	Graves	

(Not for submission under 37 CFR1.99)

Sheet

	Application Number	10/629,228
	Filing Date	07/28/2003
	First Named Inventor	Lewis B. Aronson et al.
	Art Unit	2613
	Examiner Name	Jason Chan
_	Attorney Docket Number	15436.247.2.1.5

/SK/	56	6526076	02/2003	Cham et al.	
/SK/	57	6538783	5/25/2003	Stephens	·
/SK/	58	6570149	05/2003	Maruyama et al.	
/SK/	59	6594050	07/2003	Jannson et al.	
/SK/	60	6631144	10/07/2003	Johansen	,
/SK/	61	6631146	10/2003	Pontis et al.	
./SK/	62	6643472	11/2003	Sakamoto et al.	
/SK/	63	6661836	12/2003	Dalal et al.	
/SK/	64	6661973	12/09/2003	Huber et al	
/SK/	65	6665498	12/16/2003	Jiang et al	
/SK/	.66	6694462	02/2004	Reis et al.	
/SK/	67	6712527	3/30/2004	Chan et al.	
/SK/	68	6748181	06/2004	Miki et al.	
/SK/	69	6765445	7/20/2004	Perrott et al	
/SK/	70	6829436	12/07/2004	Koh et al	
/SK/	71	6832052	12/14/2004	Marmur	
/SK/	72	6909848	6/21/2005	Kim et al	
/SK/	73	6937949	08/2005	Fishman et al.	
/SK/	74	6941077	09/2005	Aronson et al.	
/SK/	75	6952531	10/2005	Aronson et al.	
/SK/	76	6956847	10/18/2005	Heston et al	
/SK/	77	7020567	03/2006	Fishman et al.	
/SK/	78	7031615	4/18/2006	' Gentile	
/SK/	79	7058310	06/2006	Aronson et al.	
/SK/	80	7099382	8/29/2006	Aronson et al	

	U.S. PATENT APPLICATION PUBLICATIONS					
Examiner Initials*	Cite No.	Publication Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
/SK/	1	20010046242	11/2001	Kawakami et al.		
/SK/	2	20010046243	11/2001	Schie		
/SK/	3	20020027688	03/2002	Stephenson		

(Not for submission under 37 CFR 1.99)

Sheet

,	Application Number	10/629,228
	Filing Date	07/28/2003
	First Named Inventor	Lewis B. Aronson et al.
	Art Unit	2613
	Examiner Name	Jason Chan
	Attorney Docket Number	15436.247.2.1.5

./SK/	4	20020075981	6/20/2002	Tang et al
/SK/	5	20020080447	6/27/2002	Fells et al
/SK/	6	20020097468	07/2002	Mecherle et al.
/SK/	7	20020097682	7/25/2002	Enam et al
/SK/	8	20020101641	08/2002	Kurchuk
/SK/	9	20020105982	08/2002	Chin et al.
/SK/	10	20020110157	8/15/2002	Jorgenson et al
/SK/	11	20020114061	8/22/2002	Naito et al
/SK/	12	20020129379	09/2002	Levinson et al.
/SK/	13	20020131132	9/19/2002	Tanaka et al
/SK/	14	20020149812	10/17/2002	Hong et al.
/SK/	. 15	20020149821	10/2002	Aronson et al.
/SK/	16	20020176518	11/28/2002	Xu
/SK/	17	20020181519	12/2002	Vilhelmsson et al.
/SK/	18	20020181894	12/2002	Gilliand et al.
/SK/	19	20030002108	1/2/2003	Ames et al
/SK/	20	20030039207	2/27/2003	Maeda et al
/SK/	21	20030110509	06/2003	Levinson et al.
/SK/	22	20030113118	06/2003	Bartur
/SK/	23	20030169790	09/2003	Chieng et al.
/SK/	24	20030210917	11/2003	Stewart et al.
/SK/	25	20040033079	2/19/2004	Sheth et al
/SK/	26	20040076113	4/22/2004	Aronson et al
/SK/	27	20040076119	4/22/2004	Aronson et al
/SK/	28	20040120720	06/2004	Chang et al.
/SK/	. 29	20040153913	08/2004	Fishman et al.
/SK/	30	20040202210	10/2004	Thornton
/SK/	31	20040240886	12/2004	Aronson et al.
/SK/	32	20040253003	12/2004	Farmer et al.
/SK/	33	20050031352	02/2005	Light et al.
/SK/	34	20050058455	03/2005	Hosking et al.

(Not for submission under 37 CFR 1.99)

Sheet

Application Number	10/629,228
Filing Date	07/28/2003
First Named Inventor	Lewis B. Aronson et al.
Art Unit	2613
Examiner Name	Jason Chan
Attorney Docket Number	15436.247.2.1.5

/SK/	35	20050111845	5/26/2005	Nelson et al	
/SK/	36	20050169585	8/4/2005	Aronson et al	
/SK/	37	20050213982	09/2005	Weber	
/SK/	38	20050281193	12/22/2005	Hofmeister et al	
/SK/	39	20070031153	2/8/2007	Aronson et al	

	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent Document	Country Code	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 1	
/SK/	1	DE 10065034	DE	8/9/2001			\boxtimes	
/SK/	2	EP 0437161	EP	6/19/1996				
/SK/	3	EP 0745868	EP	04/2002		-		
/SK/	4	EP 1471671	EP	12/2004				
/SK/	5	JP 06209209	JP	07/1994			\boxtimes	
/SK/	6	JP 09162811	JP	06/1997			\boxtimes	
/SK/	7	JP 402102589	JP	04/1990			\boxtimes	
/SK/	8	JP 404023373	JP	01/1992			\boxtimes	
/SK/	9	JP 58140175	JP	08/1983			\boxtimes	
/SK/	10	JP 62124576	JP	06/1987			\boxtimes	
· /SK/	11	JP 62235975	JР	10/1987			\boxtimes	
/SK/	12	JP 62281485	JP	12/1987			\boxtimes	
/SK/	13	WO 02/063800	PCT	08/2002				
/SK/	14	WO 98/00893	PCT	01/1998		·		
/SK/	15	WO 98/00943	PCT	08/1998				
/SK/	16	WO/2004/098100	PCT	11/2004				

IDS with Certification Statement

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

6 of 8

Sheet

Application Number	10/629,228
Filing Date	07/28/2003
First Named Inventor	Lewis B. Aronson et al.
Art Unit	2613
Examiner Name	Jason Chan
Attorney Docket Number	15436.247.2.1.5

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	· Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published	T 1			
/SK/	1	"Application Note: T2525/26/27", copyright 2003 by Atmel Corporation				
/SK/	2	"IR Receiver ASSP: T2525", copyright 2003 by Atmel Corporation				
/SK/	3	"IR Receiver for Data Communication: U2538B", copyright 2003 by Atmel Corporation				
/SK/	4	"Low-Voltage Highly Selective IR Receiver IC: T2527", copyright 2002 by Atmel Corporation				
/SK/	5	Finisar Corp., "App. Note AN-2025: Using the Finisar GBIC I2C Test Diagnostics Port," 1998.				
/SK/	6	Hausdorf, Reiner, "Mobile Transceiver Measurements with Radiocommunication Service Monitor CMS," News from Rohde & Schwarz, 127, IV, 1989, pp 4-7.				
/SK/	7	Kaminishi, K. et al., Si Bipolar 3.3V Transmitter/Receiver IC Chip Set for 1Gb/s 12-Channel Parallel Optical Interconnects, IEEE International Solid-State Circuits Conference, ISSCC, Digest of Technical Papers, 1999 Paper WP 22.1.				
/SK/	8	MAEDA, Noriyuki "Notification of Reason(s) for Refusal," Japanese Patent Application No. JP2002-563630, Nakamura, M. et al., July 13, 2005.				
/SK/	9	Manchester Encoding [retrieved 11/12/03 from the Internet] http://www.erg.abdn.ac.uk/users/gorry/course/phy-pages/man.html				
/SK/	10	Optiport SFF BiDi-Transceiver 100 Mbit/s, 1310 nm Tx/1550 nm Rx, Infineon Technologies, June 22, 2004, pp. 1-14.				
/SK/	11	Webopedia.com: 12C [retrieved 11/11/03 from the Internet] http://www.webopedia.com/TERM/I/12C.html				
/SK/	12	Webopedia.com: MAC Address [retrieved 10/15/03 from the Internet] http://www.webopedia.com/TERM/M/MAC_address.html				
/SK/	13	Webopedia.com: Public-Key Encryption [retrieved 10/15/03 from the Internet] http://www.webopedia.com/TERM/p/public_key_cryptography.html				
: /SK/	14	Webopedia: The 7 Layers of the OSI Model [retrieved 10/15/03 from the Internet] http://webopedia.internet.com/quick_ref/OSI_Layers.asp	, 🗆			
/SK/	15	Yi Cai et al., "Jitter testing for gigabit serial communication transceivers," Jan -Feb 2002, IEEE Design and Test of Computers, Vol. 19, Issue 1, pp 66-74.				

IDS with Certification Statement

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Sheet

Application Number	10/629,228
Filing Date	07/28/2003
First Named Inventor	Lewis B. Aronson et al.
Art Unit	2613
Examiner Name	Jason Chan
Attorney Docket Number	15436.247.2.1.5

-	OFFICE ACTION / NOTICE OF ALLOWANCE DOCUMENTS						
Examiner Initials*	Cite .No.	Application Number	Mail Date	Document			
/SK/	1	10420027	01/25/2006	Office Action .			
/SK/	2	10420027	09/07/2006	Office Action			
/SK/	3	10420027	05/16/2007	Office Action			
/SK/	4	10629725	10/17/2005	Office Action			
/SK/	5	10629725	04/11/2006	Notice of Allowance			
/SK/	6	10629301	08/09/2007	Office Action			
/SK/	7 .	10629302	06/14/2007	Office Action			
/SK/	8	10697395	01/24/2006	Office Action			
/SK/	9	10697395	09/27/2006	Office Action			
/SK/	10	10697395	05/09/2007	Office Action			
/SK/	11	10697395	11/15/2007	Office Action			
/SK/	12.	10884334	06/12/2007	Office Action			

EXAMINER SIGNATURE					
Examiner Signature	/Shi K. Li/	Date Considered	12/29/2007		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					
¹ Applicant is to place a check mark here if English language translation is attached.					

(Not for submission under 37 CFR 1.99)

8 of 8

Sheet

Application Number	10/629,228		
Filing Date	07/28/2003		
First Named Inventor	Lewis B. Aronson et al.		
Art Unit	2613		
Examiner Name	Jason Chan		
Attorney Docket Number	15436.247.2.1.5		

		CERTIFICATION STAT	EMENT				
Plea	Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):						
	from a foreign	That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).					
OR				•			
	That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).						
	See attached (See attached certification statement.					
\boxtimes	Fee set forth ir	n 37 CFR 1.17 (p) has been submitted herewith.					
	None						
\boxtimes	The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments to Deposit Account No. 23-3178						
		SIGNATURE					
	gnature of the ap form of the signa	oplicant or representative is required in accordance ature.	ce with CFR 1.33, 10.18.	Please see CFR 1.4(d) for			
Sign	ature	/Carl T. Reed/Reg. #45454	Date	December 10, 2007			
Nam	me/Print Carl T. Reed Registration Number 45,454						

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

(Not for submission under 37 CFR 1.99)

Application Number		10629228
Filing Date		2003-07-28
First Named Inventor Lewis		B. Aronson
Art Unit		2613
Examiner Name Kenne		eth J. Malkowski
Attorney Docket Number		15436.247.2.1.5

·							
/SK/	1	GREEN, MICHAEL, et al., "Mixing it up with OC-192 CMOS Transceivers", CommsDesign, An EE Times Community, 8 pgs, 03 May 2006, available at: http://www.commsdesign.com/main/2000/12/0012feat6.htm					
/SK/	2	Dallas Semiconductor, "HFTA-01.0: 2.5Gbps SDH/SONET Fiber Optic Chipset," 4 pages October 10, 2000, available at: http://www.maxim-ic.com/appnotes.cfm/appnote_number/713/1n/en					
/SK/	Dallas Semiconductor, "MAX3872 Multirate Clock and Data Recovery with Limiting Amplifier," 2 pages, March 30, 2003, available at: http://www.maxim-ic.com/quick_view2.cfm/qv_pk/3705						
/SK/	4		Huiqing Zhong and Stephen I. Long, "Monothic Clock and Data Recovery Chip for 10GB/S Fiber Communications Systems," 4 pages 1997-98.				
/SK/	5	GIGA an Intel Company, "2.5 Gbit/s Clock and Data Recovery GD16546B," 9 pages, July 31, 2001.					
If you wis	h to a	dd addit	tional non-patent literature document citation	information please click the Add but	utton Add		
			EXAMINER SIG	GNATURE			
Examiner	Signa	ature	/Shi K. Li/	Date Considered	12/29/2007		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							
¹ See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.							